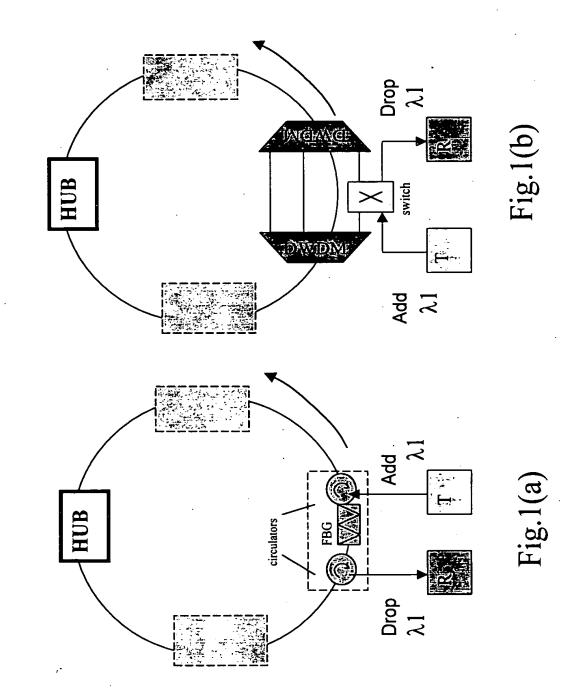
Conventional Wavelength Add/Drop Techniques



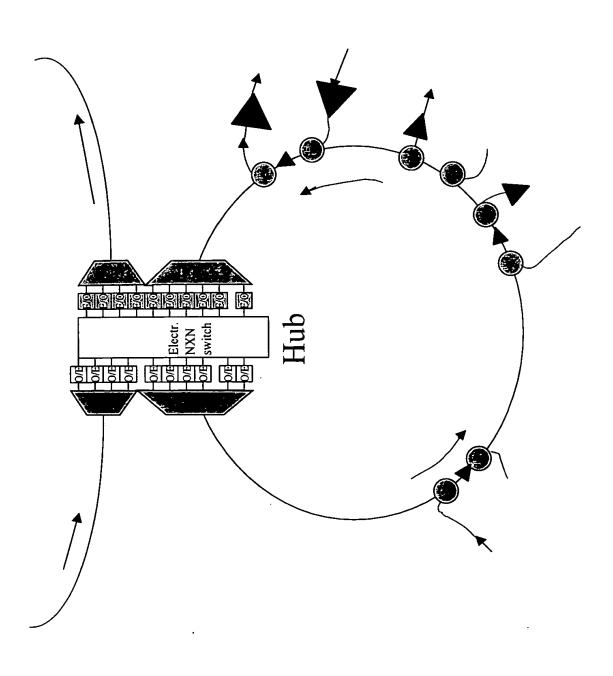


Fig. 2

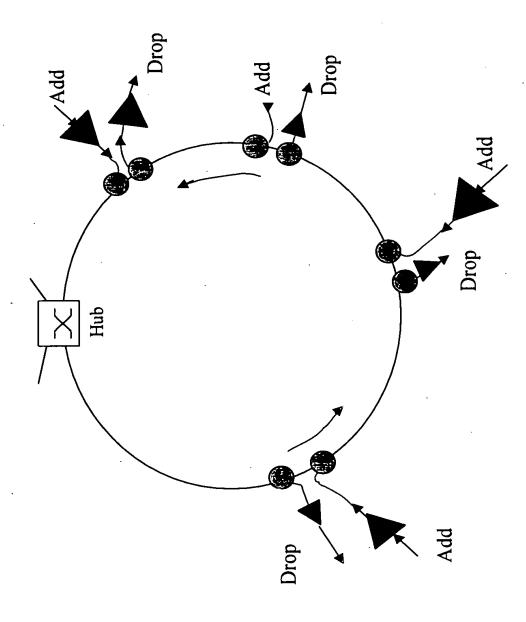


Fig.3(a)

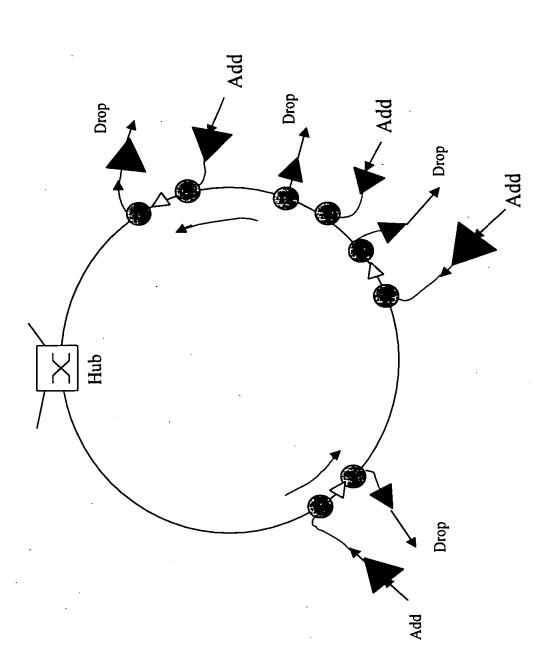
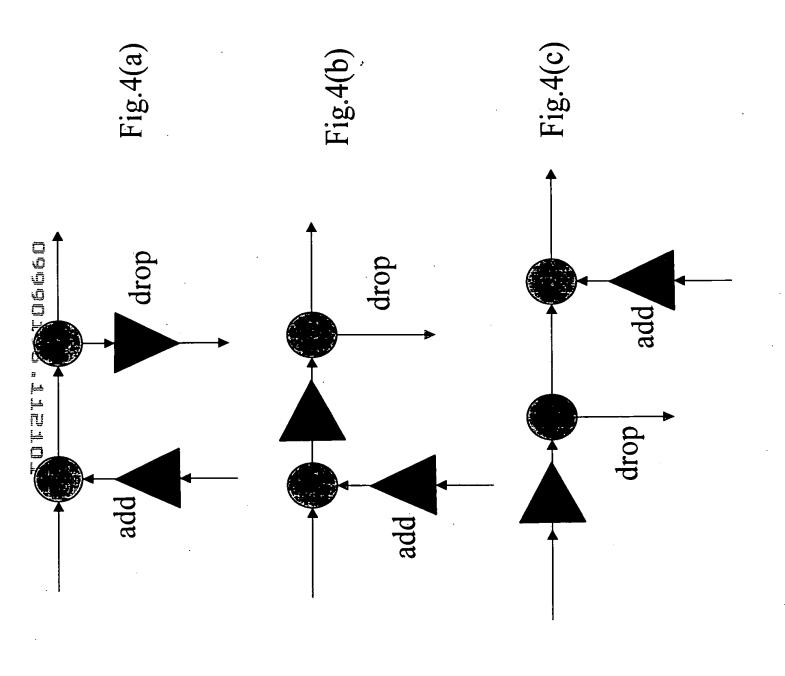


Fig.3(b)



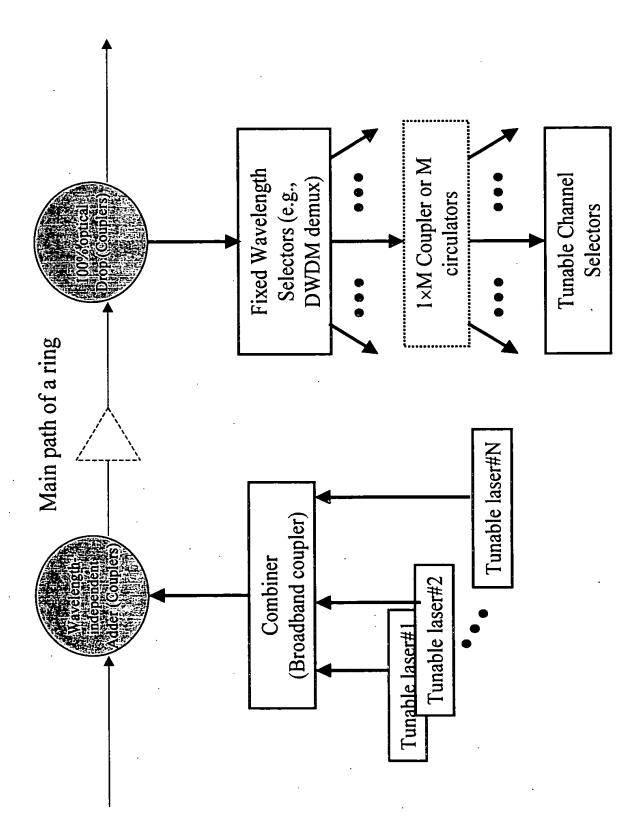


Fig.5(a)

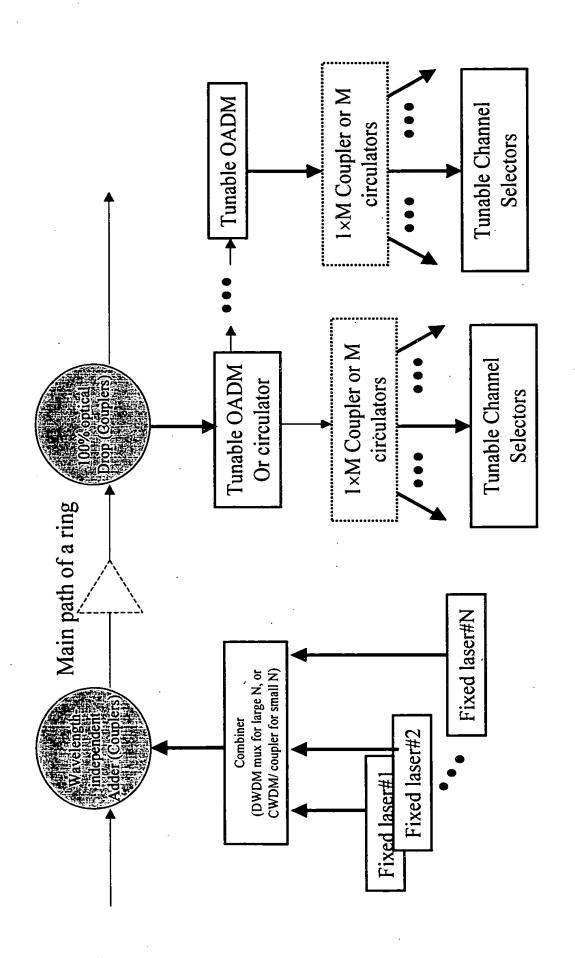


Fig.5(b)

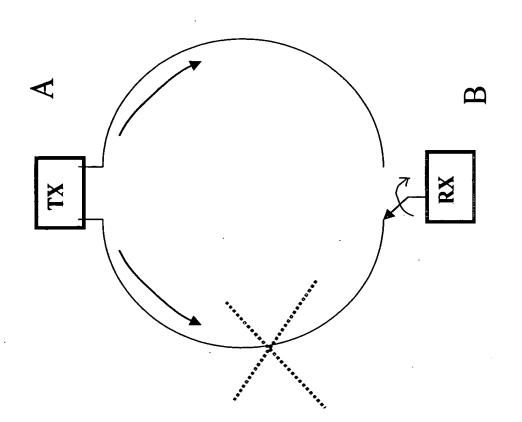
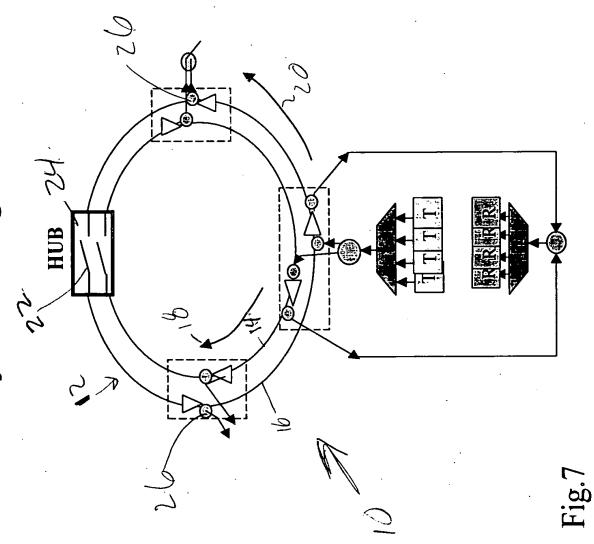


Fig.

Metro System Using MetroVista

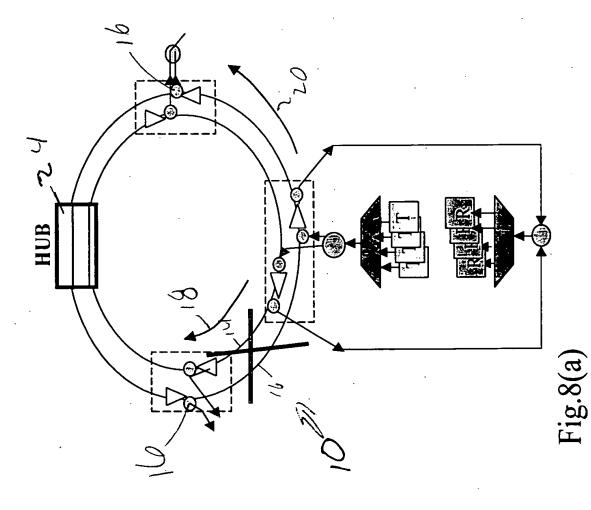


: Transmitter

R. Receiver

: Fiber Coupler

Protection Scheme for Two Fiber Breaks





: Transmitter

R. : Receiver

: Fiber Coupler

: Transmitter

: Fiber Coupler

Receiver

Protection Scheme for Single Fiber Break



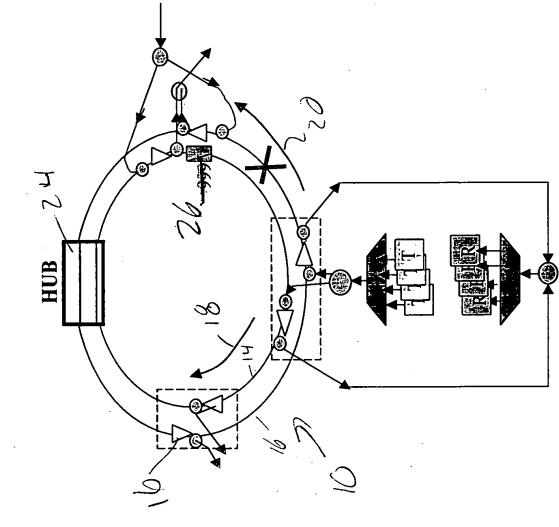
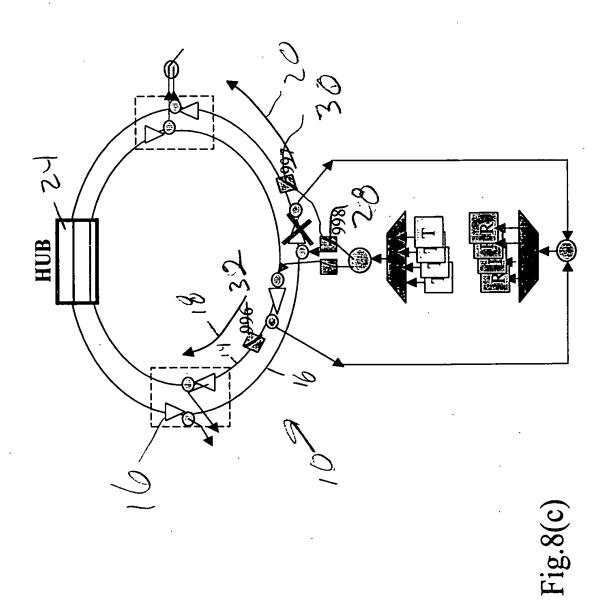


Fig.8(b)

Protection Scheme for Single Broken Amplifier



Protection Scheme for Single Broken Amplifier

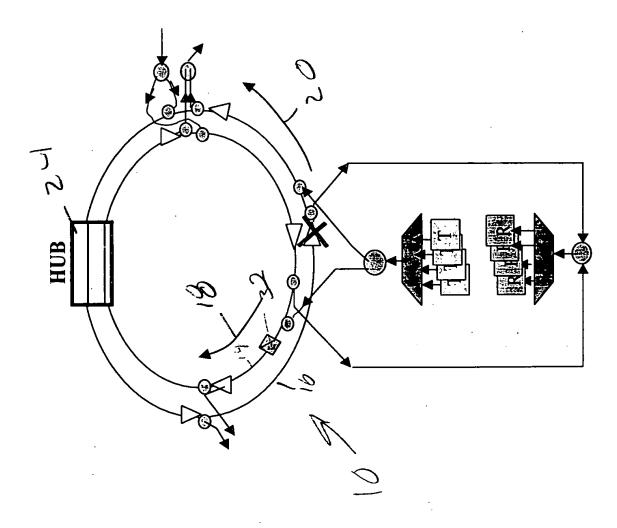
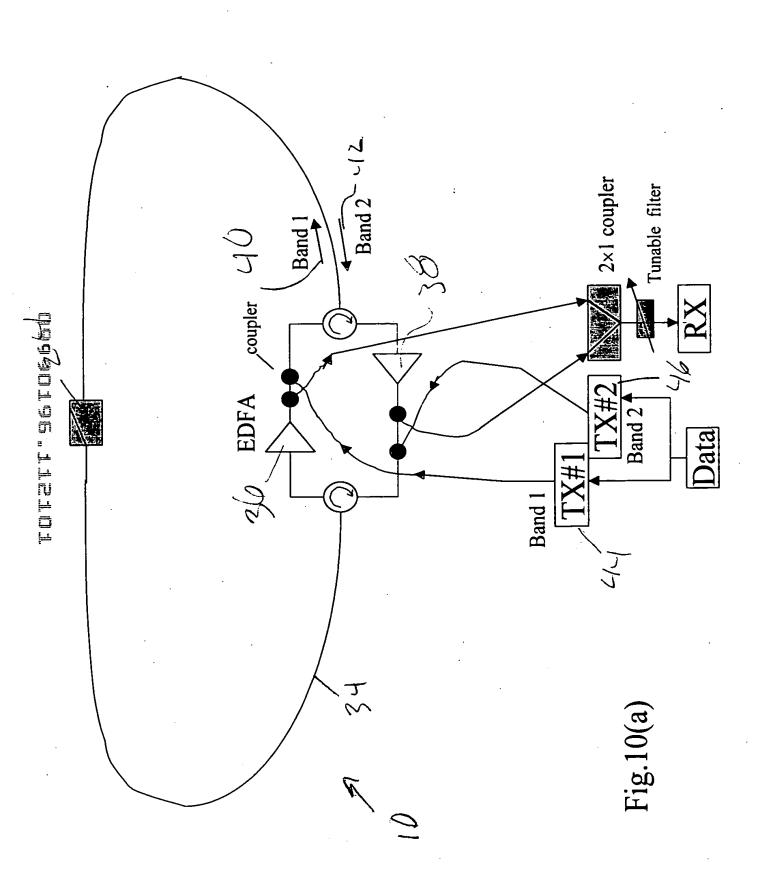
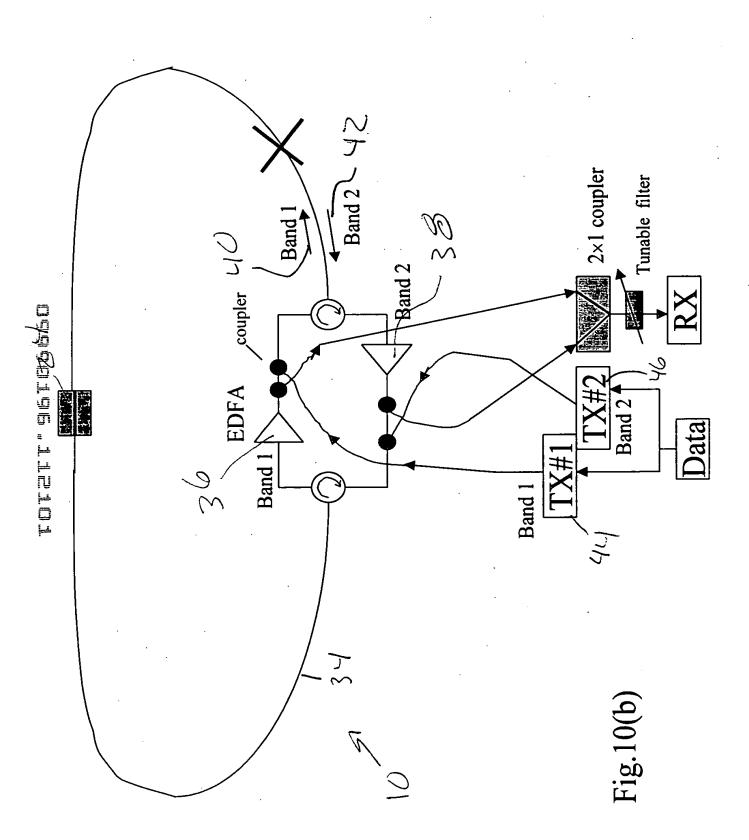
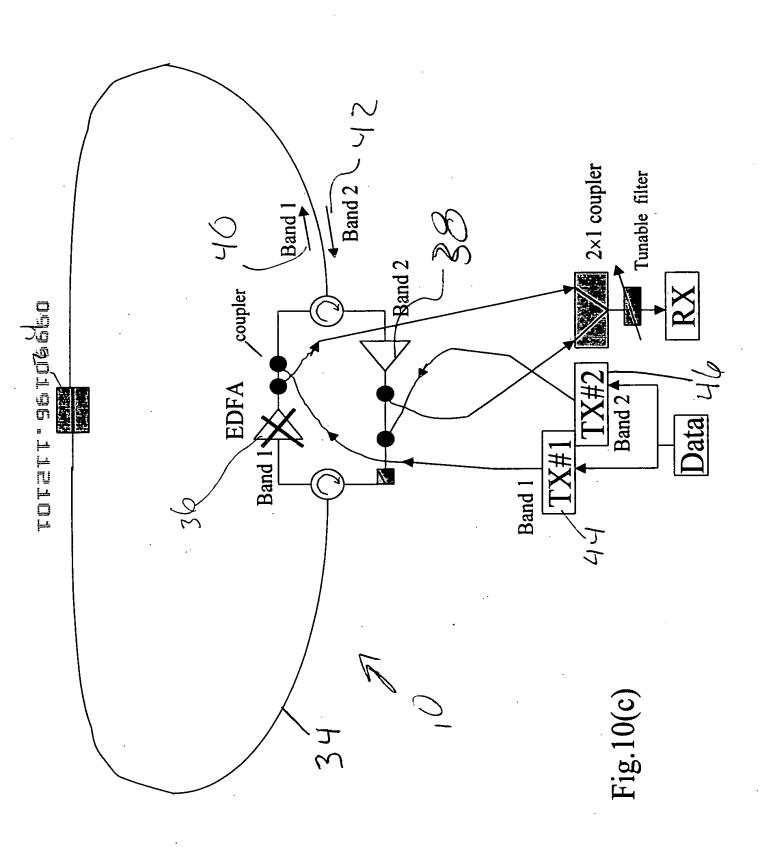
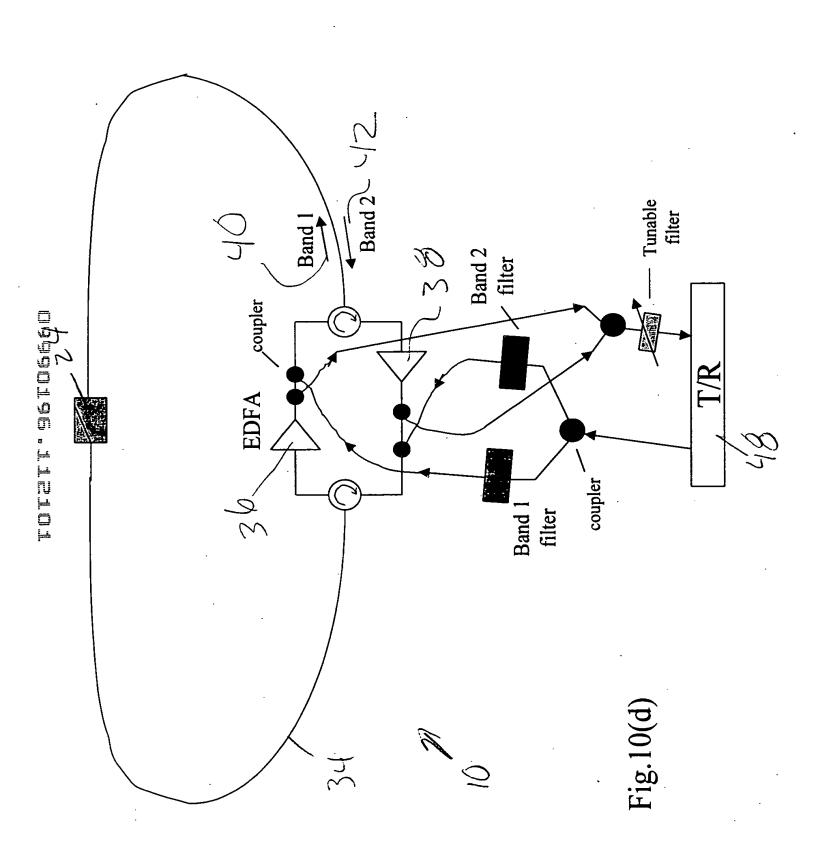


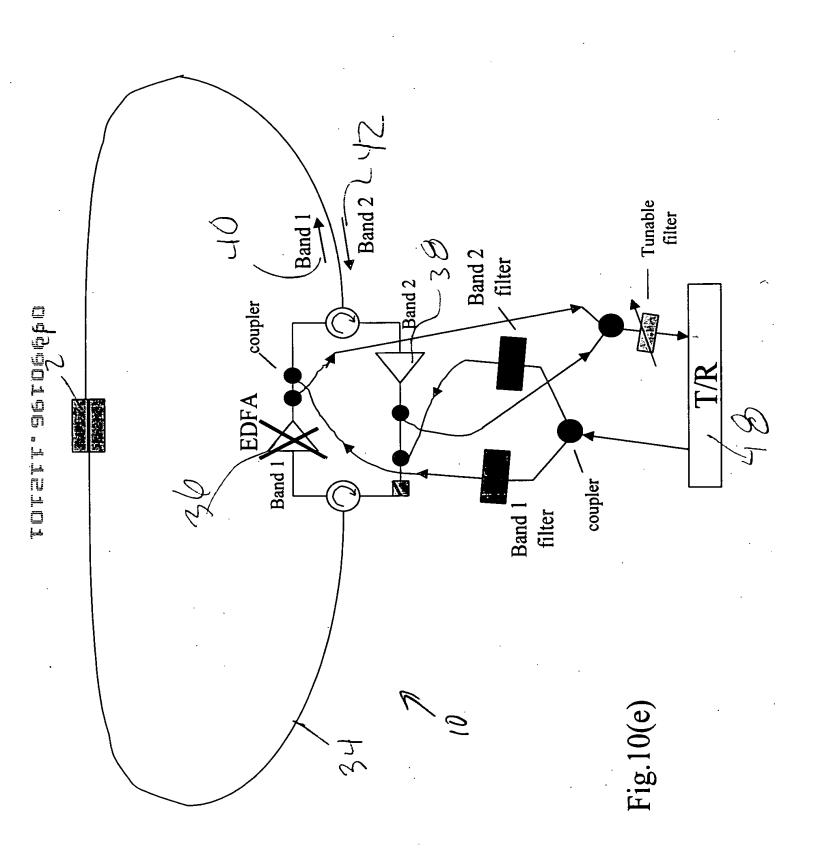
Fig.9











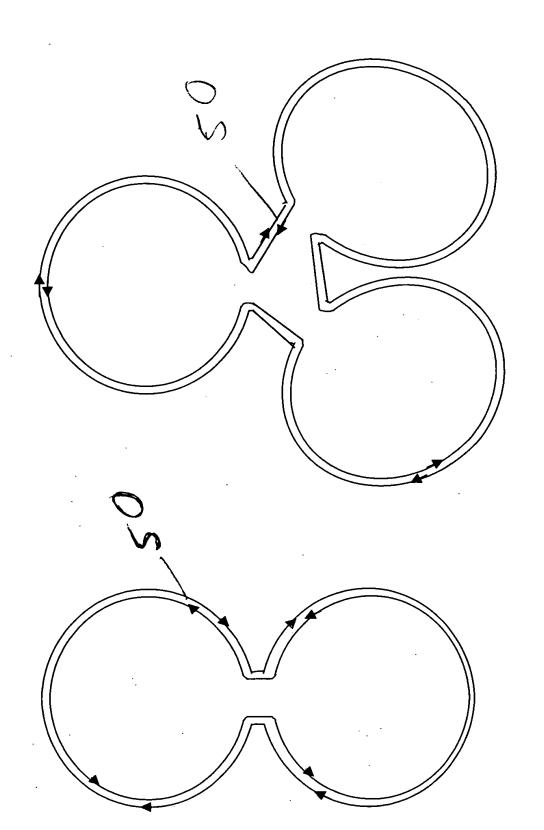
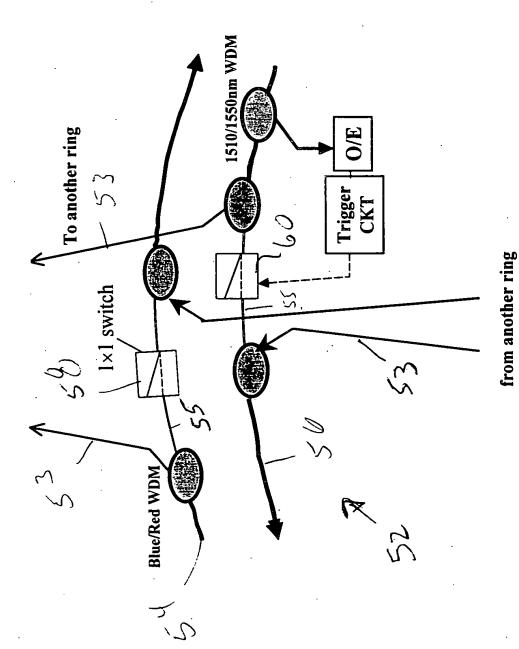


Fig.11



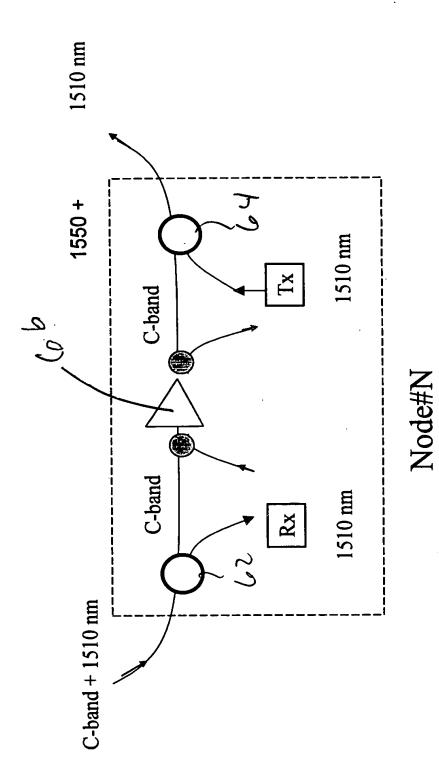


Fig.13

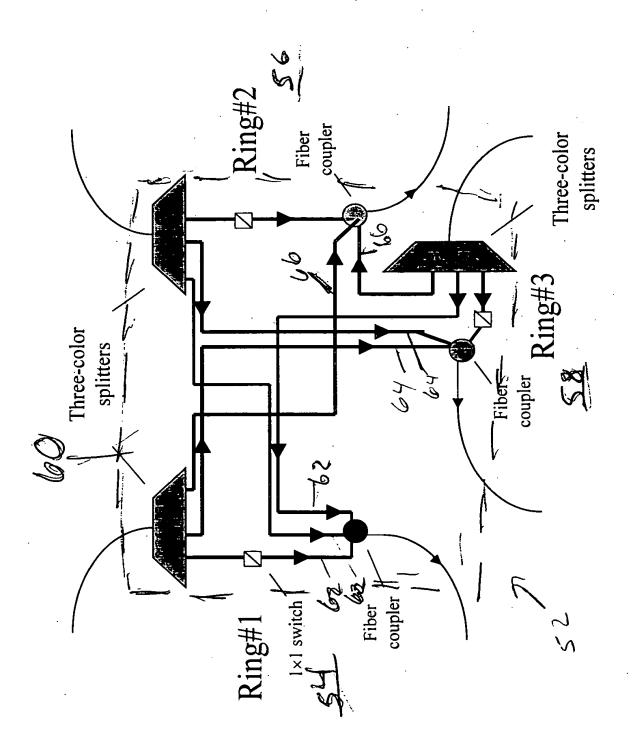


Fig.14